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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11)Publication number: 07319427

(43)Date of publication of application: 08.12.1995

(51)Int.Cl.

G09G 3/32

G09G 3/20

H01L 33/00

(21)Application number: 06131110

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(22)Date of filing: 20.05.1994

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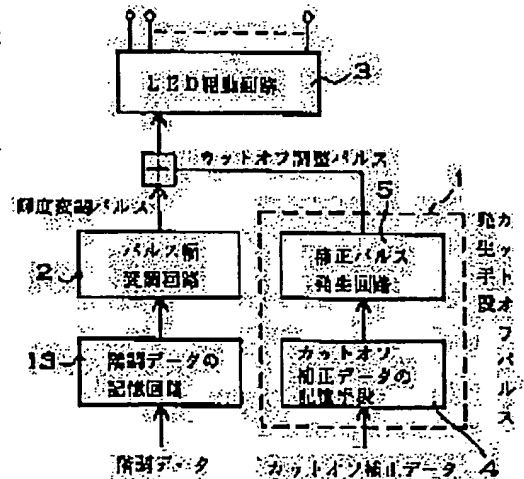
NAGAI YOSHIFUMI

(54) MULTICOLOR LED DISPLAY UNIT

(57)Abstract:

PURPOSE: To eliminate visual luminance saturation and to realize a desirable gray scale using a simple circuit.

CONSTITUTION: The multicolor LED display unit is provided with a plurality of LEDs which are arranged close to each other and emit different luminous colors and an LED lighting circuit which properly flashes each LED and thereby adjusts its luminous color and brightness. The LED lighting circuit is provided with a pulse width modulation circuit 2 which outputs luminance modulated pulses corresponding to input gray scale data and a cut-off pulse generating means 1 which generates cut-off adjusting pulses that corrects the cut-off point of each LED in a time-division manner with these pulses and an LED drive circuit 3 which lights LED's. The cut-off pulse generating means 1 is provided with a storage means 4 for the cut-off correction data of each LED and a correction pulse generating means 5 which transforms this data to cut-off adjusting pulses.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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